

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066540.D
 Acq On : 8 Apr 2021 14:50
 Operator : JC/MD
 Sample : M1961-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:34:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

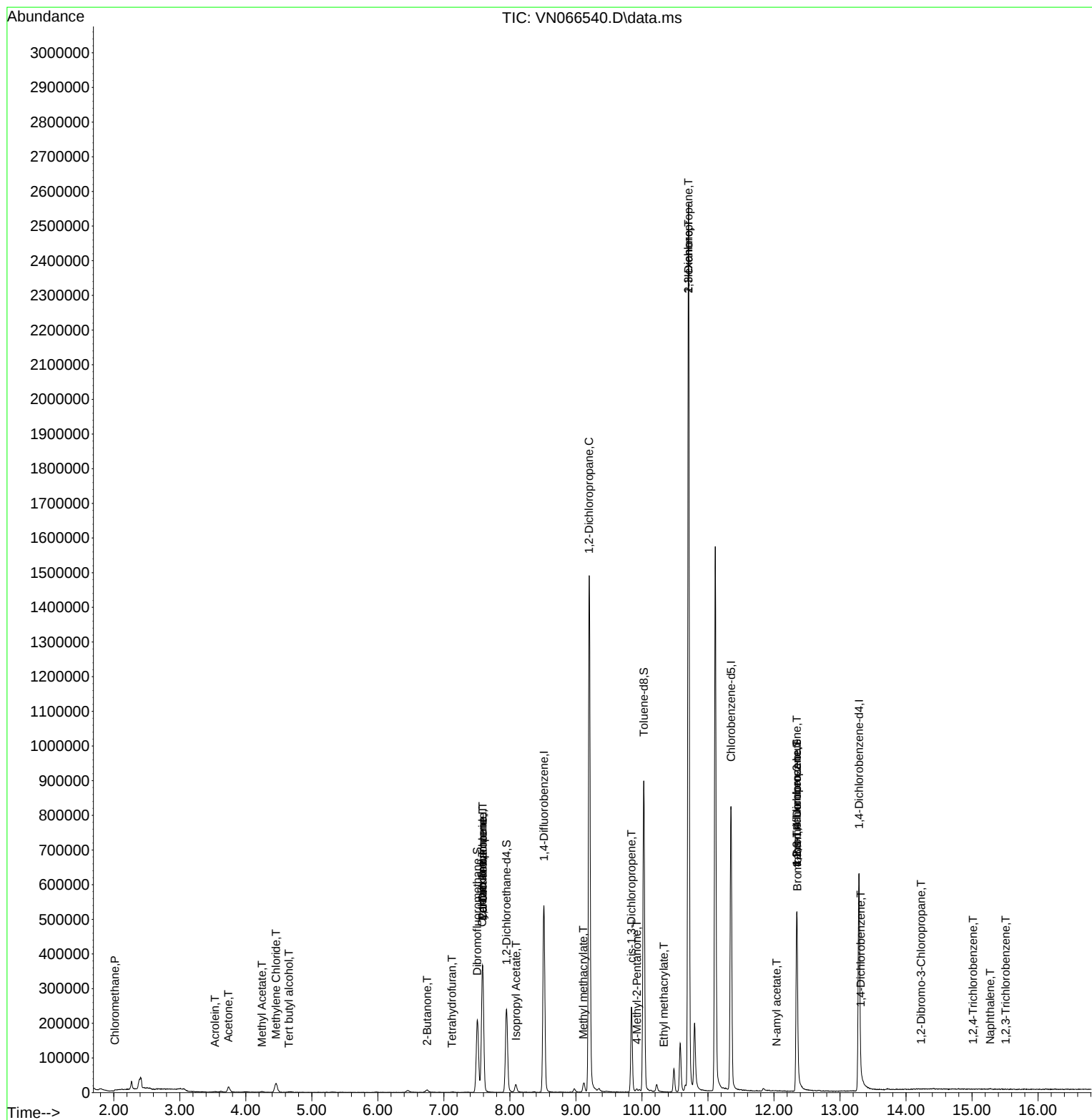
Internal Standards						
1) Pentafluorobenzene	7.587	168	312802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	478176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	476305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	194577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	203521	49.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.82%		
35) Dibromofluoromethane	7.507	113	159524	48.95	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.90%		
50) Toluene-d8	10.028	98	616849	49.81	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.62%		
62) 4-Bromofluorobenzene	12.348	95	193931	48.29	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.58%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1140	0.25	ug/l	89
11) Tert butyl alcohol	4.653	59	925	1.39	ug/l #	85
13) Acrolein	3.532	56	1113	6.71	ug/l	83
16) Acetone	3.736	43	23505	13.61	ug/l	99
18) Methyl Acetate	4.245	43	3763	0.87	ug/l #	87
20) Methylene Chloride	4.460	84	18316	4.94	ug/l	94
25) 2-Butanone	6.748	43	10886	4.20	ug/l	92
29) Tetrahydrofuran	7.123	42	482	0.28	ug/l #	52
31) Cyclohexane	7.582	56	4274	0.75	ug/l #	8
36) 1,1-Dichloropropene	7.587	75	23471	5.05	ug/l #	45
38) Carbon Tetrachloride	7.587	117	28827	6.12	ug/l #	17
43) Isopropyl Acetate	8.094	43	26943	3.03	ug/l	98
45) 1,2-Dichloropropane	9.199	63	1729	0.45	ug/l #	43
48) Methyl methacrylate	9.113	41	6662	1.69	ug/l #	12
51) 4-Methyl-2-Pentanone	9.923	43	4819	0.91	ug/l	88
54) cis-1,3-Dichloropropene	9.843	75	43594	7.35	ug/l #	64
56) Ethyl methacrylate	10.331	69	58	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	26209	4.39	ug/l #	43
59) 2-Hexanone	10.706	43	369326	97.77	ug/l #	53
71) Bromoform	12.353	173	1840	0.61	ug/l #	1
74) N-amyl acetate	12.039	43	134	12.75	ug/l #	12
76) 1,2,3-Trichloropropane	12.348	75	102024	23.24	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.348	75	102024	64.39	ug/l #	12
88) 1,4-Dichlorobenzene	13.313	146	77	1.01	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.228	75	24	0.36	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.014	180	54	2.25	ug/l #	86
95) Naphthalene	15.274	128	587	2.02	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.510	180	56	1.63	ug/l #	1

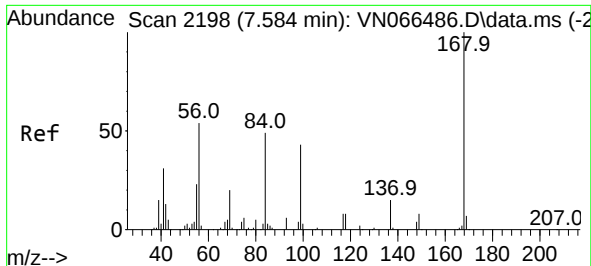
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066540.D
Acq On : 8 Apr 2021 14:50
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Sample : M1961-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Apr 09 04:34:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration

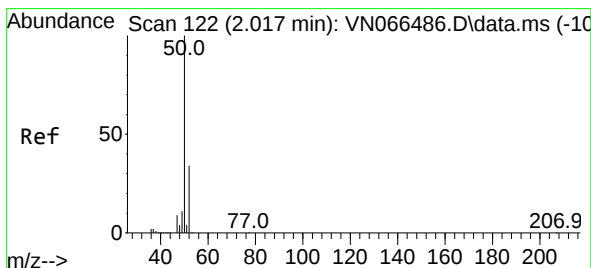
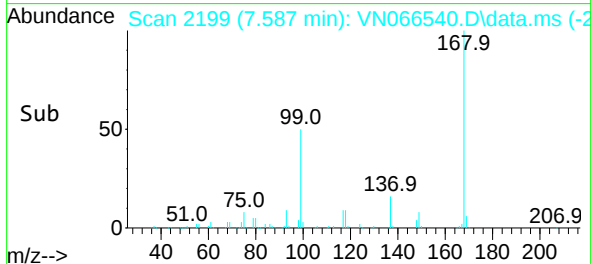
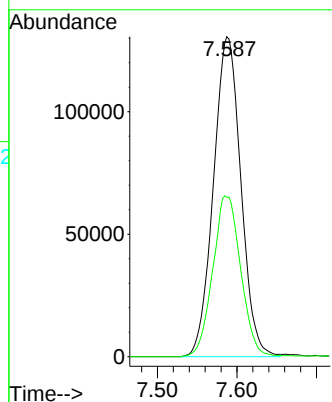
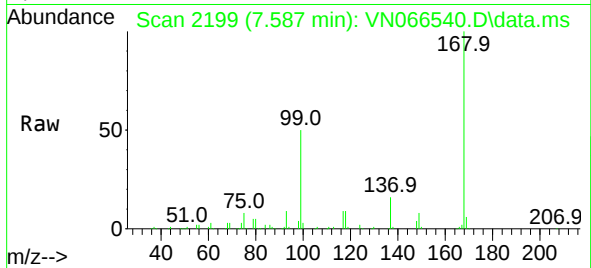




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

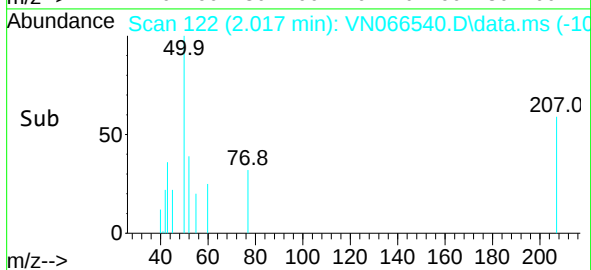
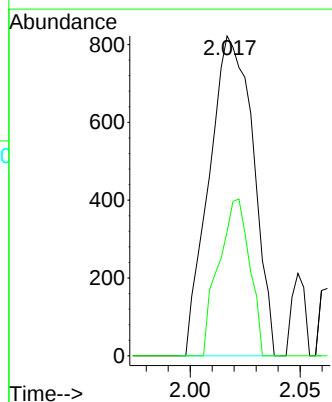
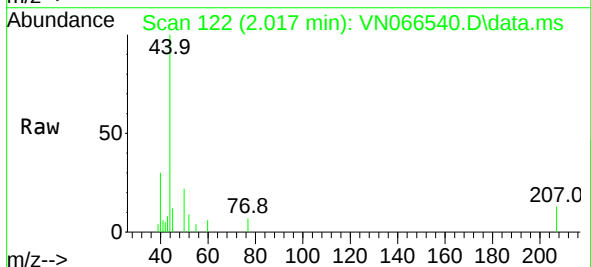
Instrument :
MSVOA_N
ClientSampled :

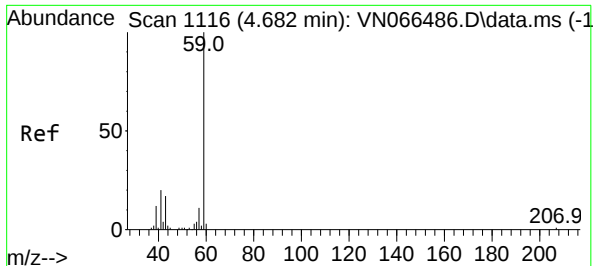
Tgt Ion:168 Resp: 312802
Ion Ratio Lower Upper
168 100
99 49.9 41.1 61.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

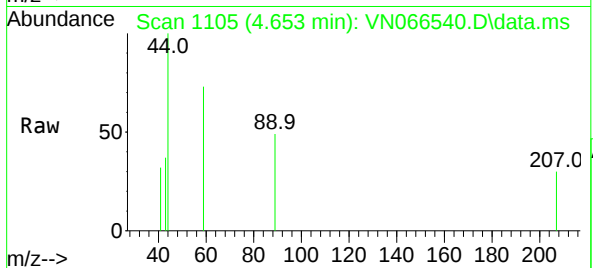
Tgt Ion: 50 Resp: 1140
Ion Ratio Lower Upper
50 100
52 38.8 26.2 39.2



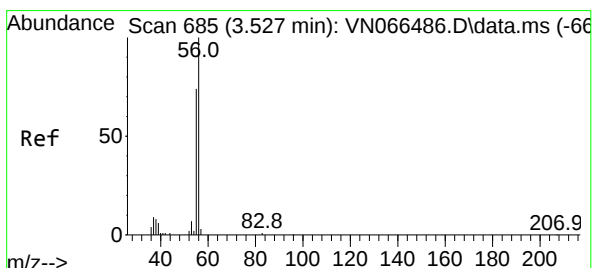
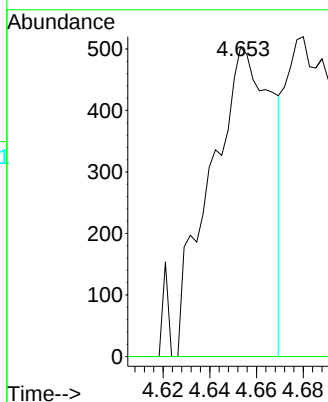
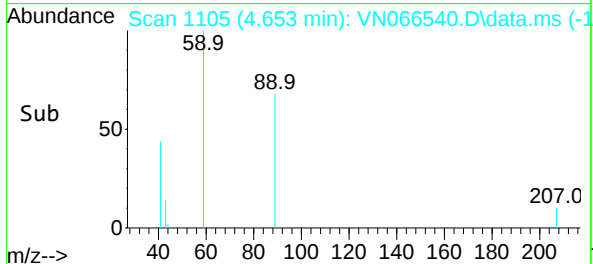


#11
Tert butyl alcohol
Concen: 1.39 ug/l
RT: 4.653 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

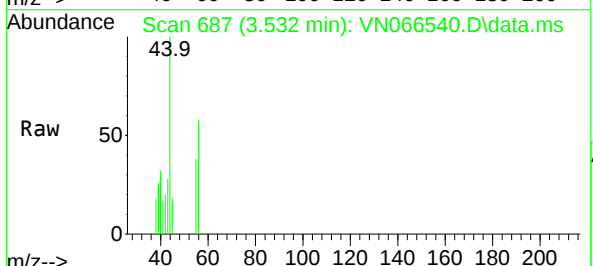
Instrument :
MSVOA_N
ClientSampled :



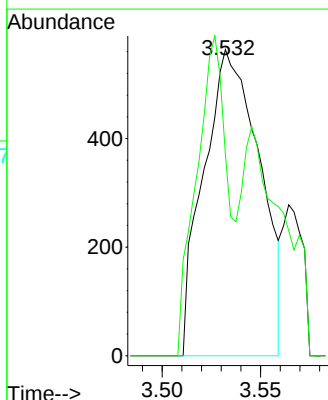
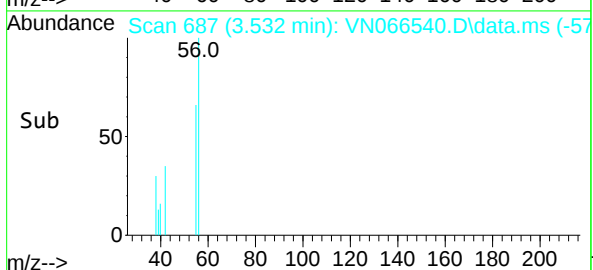
Tgt Ion: 59 Resp: 925
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

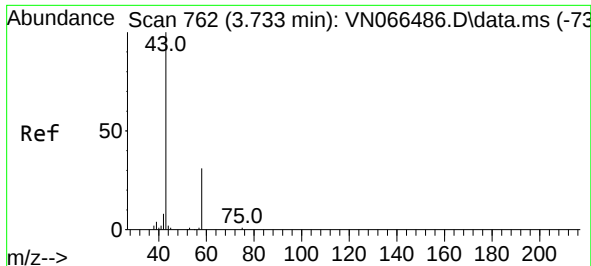


#13
Acrolein
Concen: 6.71 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50



Tgt Ion: 56 Resp: 1113
Ion Ratio Lower Upper
56 100
55 58.3 57.9 86.9

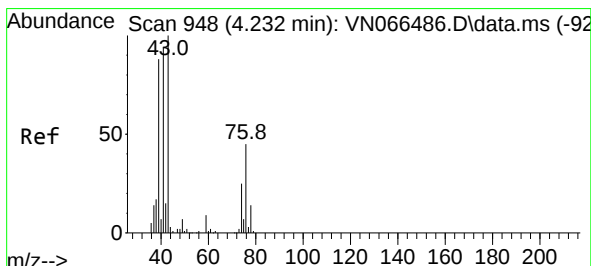
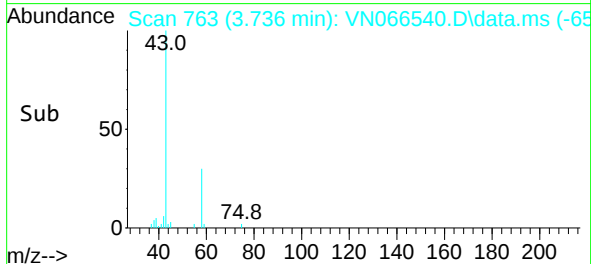
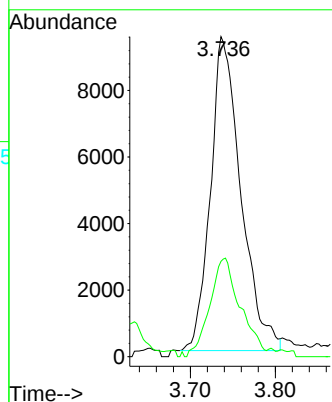
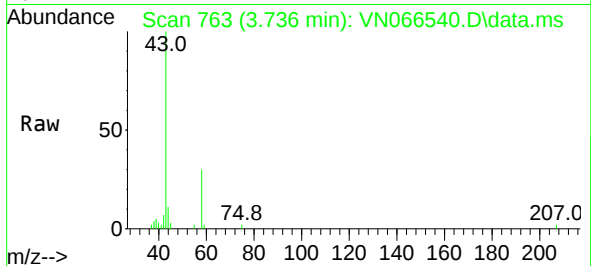




#16
Acetone
Concen: 13.61 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

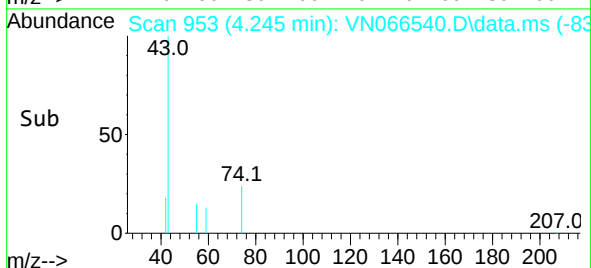
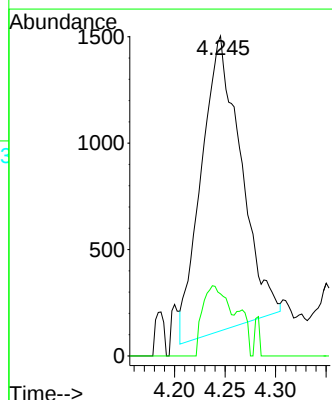
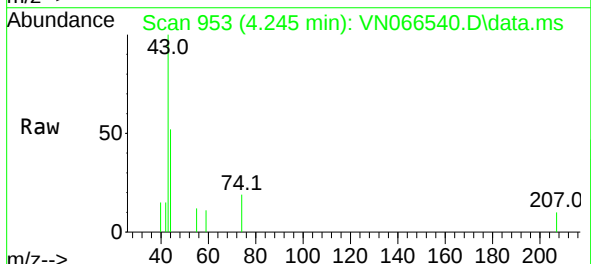
Instrument :
MSVOA_N
ClientSampled :

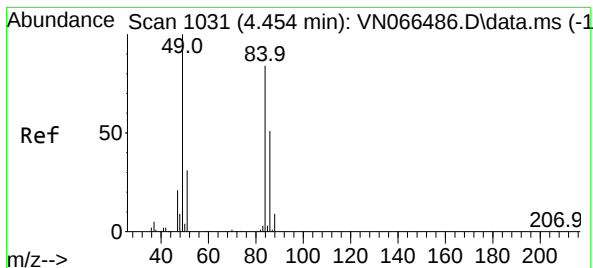
Tgt Ion: 43 Resp: 23505
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.87 ug/l
RT: 4.245 min Scan# 953
Delta R.T. 0.013 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
74 15.7 17.6 26.4#





#20

Methylene Chloride

Concen: 4.94 ug/l

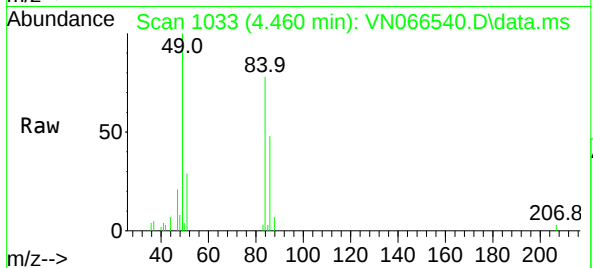
RT: 4.460 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VN066540.D

Acq: 8 Apr 2021 14:50

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 18316

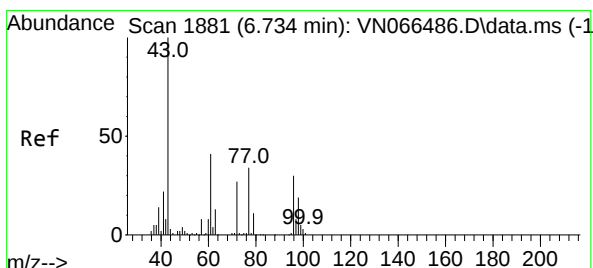
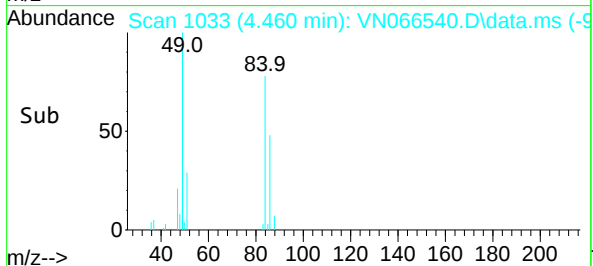
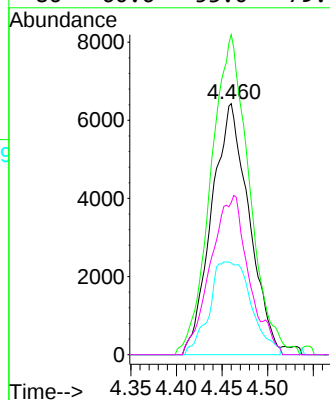
Ion Ratio Lower Upper

84 100

49 124.5 105.0 157.6

51 36.6 31.6 47.4

86 60.6 53.0 79.6



#25

2-Butanone

Concen: 4.20 ug/l

RT: 6.748 min Scan# 1886

Delta R.T. 0.014 min

Lab File: VN066540.D

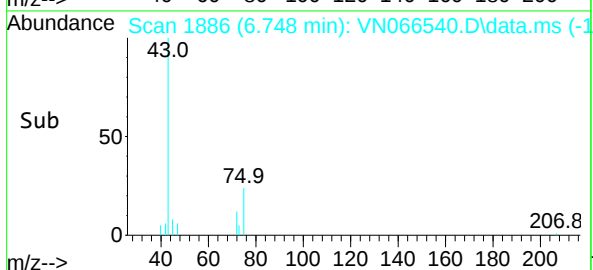
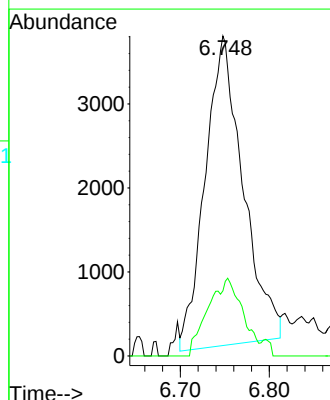
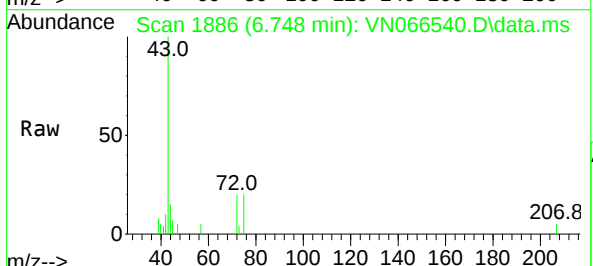
Acq: 8 Apr 2021 14:50

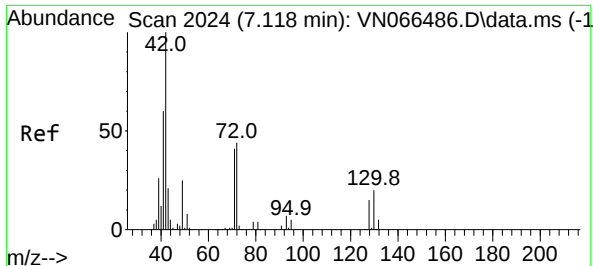
Tgt Ion: 43 Resp: 10886

Ion Ratio Lower Upper

43 100

72 21.6 20.7 31.1

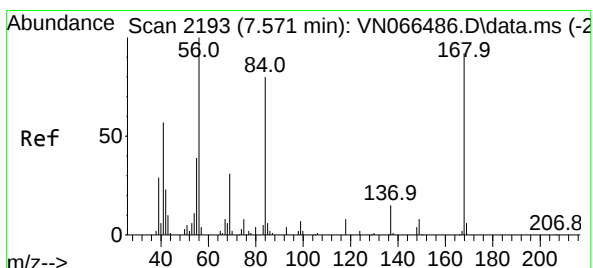
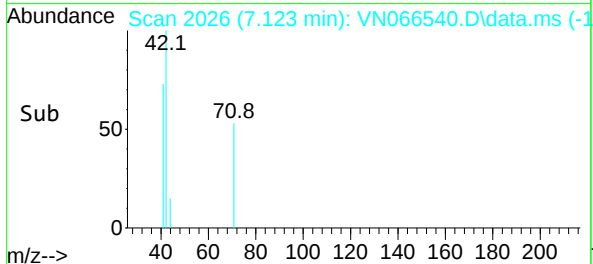
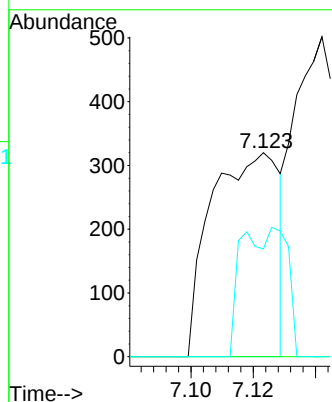
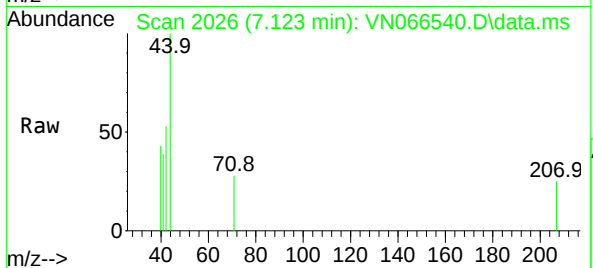




#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.123 min Scan# 2026
Delta R.T. 0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

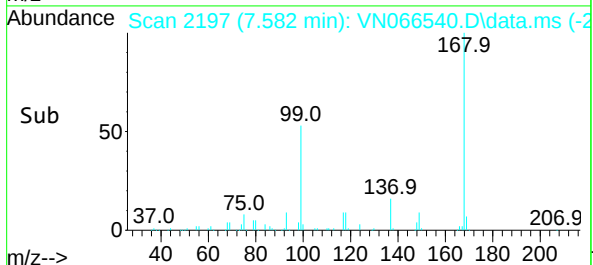
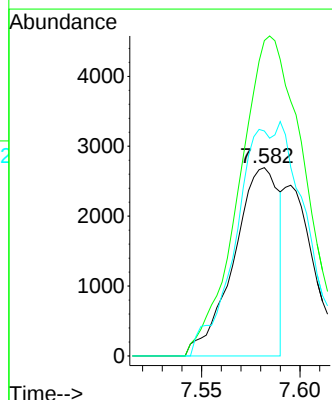
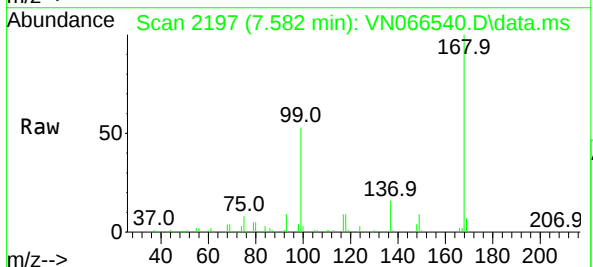
Instrument :
MSVOA_N
ClientSampled :

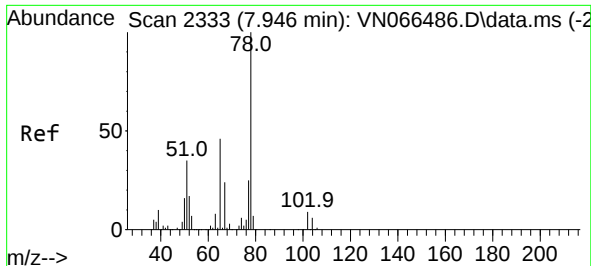
Tgt Ion: 42 Resp: 482
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 24.1 33.1 49.7#



#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 56 Resp: 4274
Ion Ratio Lower Upper
56 100
69 167.5 26.6 40.0#
84 119.5 68.7 103.1#

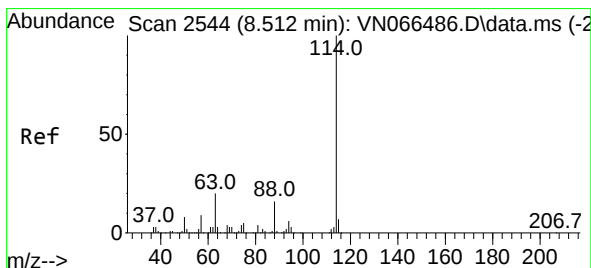
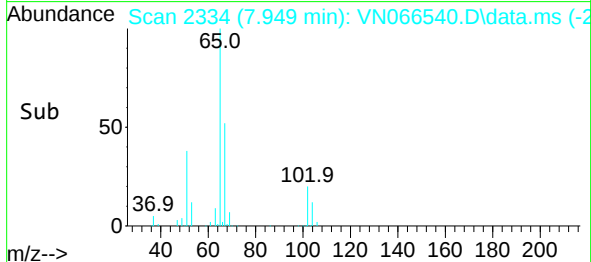
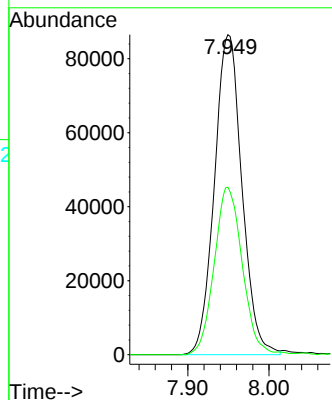
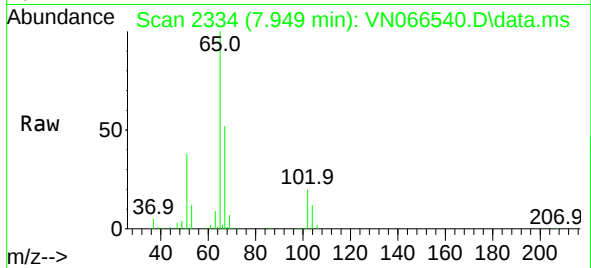




#33
1,2-Dichloroethane-d4
Concen: 49.41 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

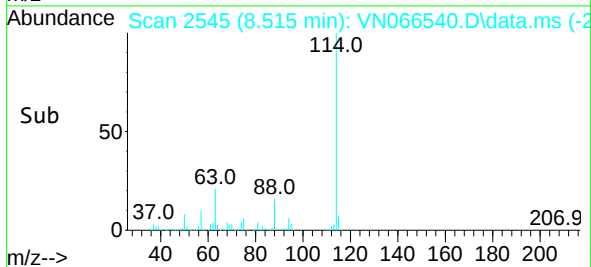
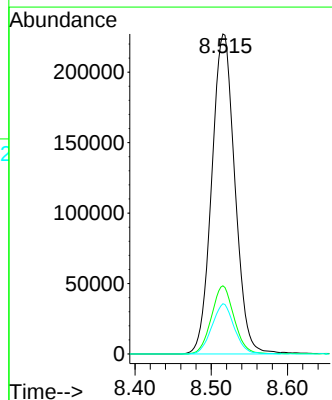
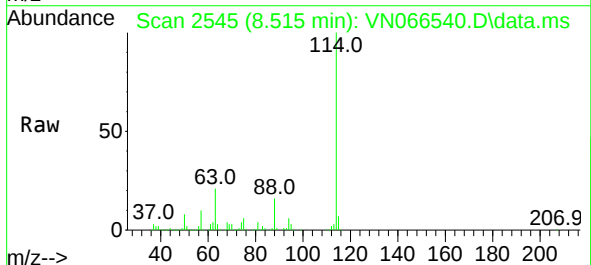
Instrument :
MSVOA_N
ClientSampled :

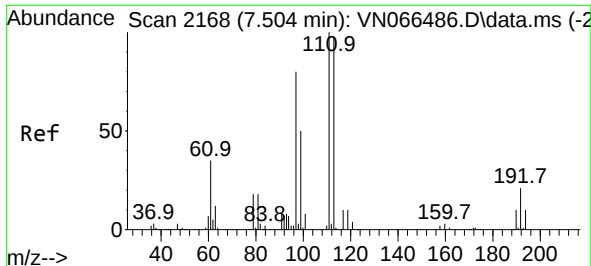
Tgt Ion: 65 Resp: 203521
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 114 Resp: 478176
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.0
88 15.7 0.0 31.0

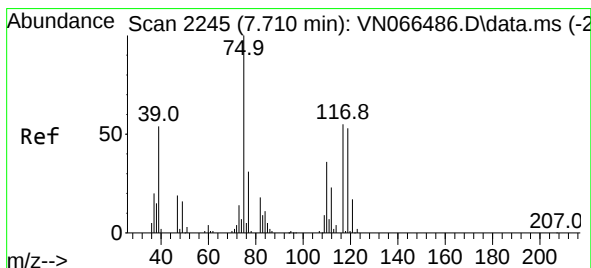
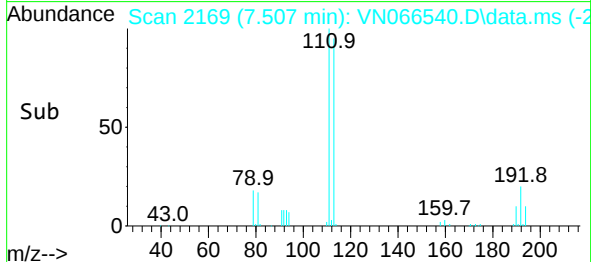
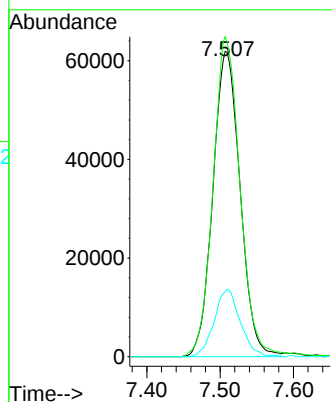
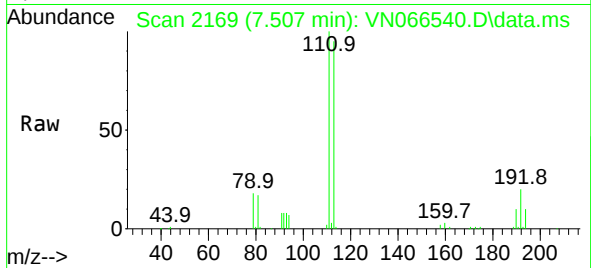




#35
Dibromofluoromethane
Concen: 48.95 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

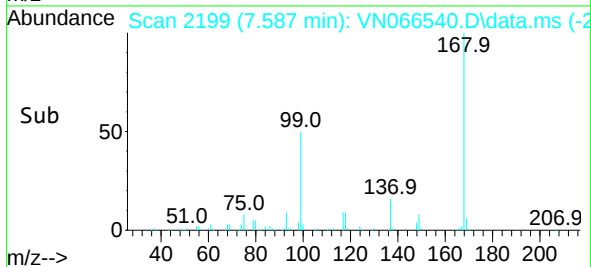
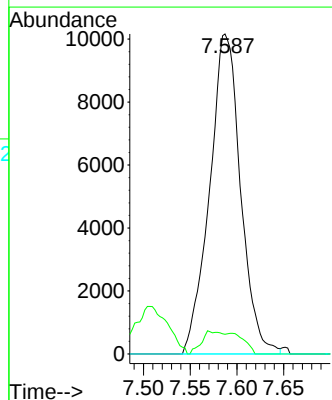
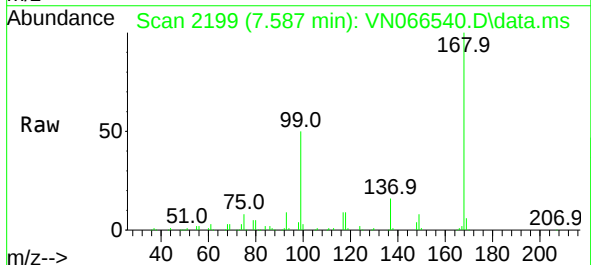
Instrument :
MSVOA_N
ClientSampled :

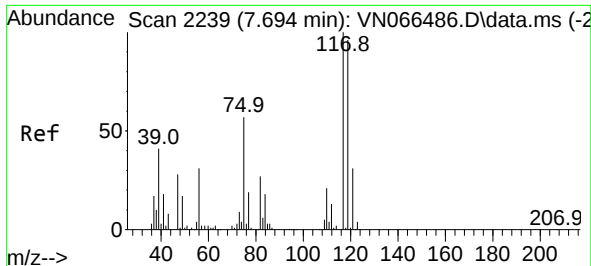
Tgt Ion:113 Resp: 159524
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 21.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

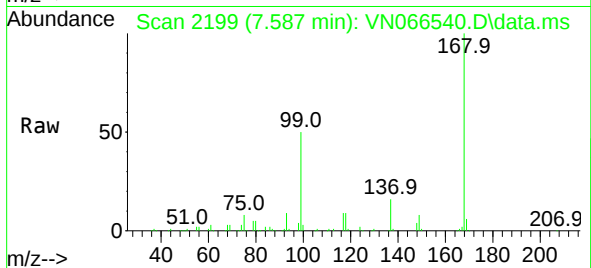
Tgt Ion: 75 Resp: 23471
Ion Ratio Lower Upper
75 100
110 5.0 18.1 54.3#
77 0.0 25.0 37.4#



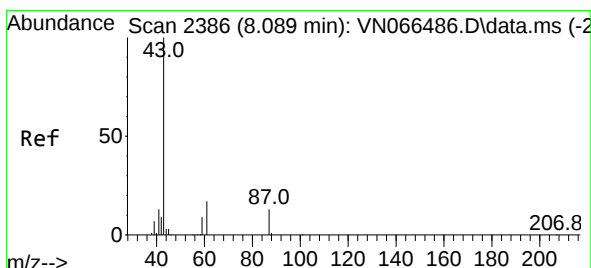
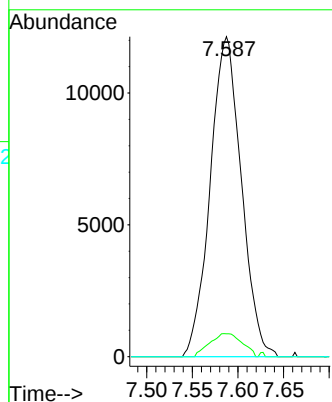
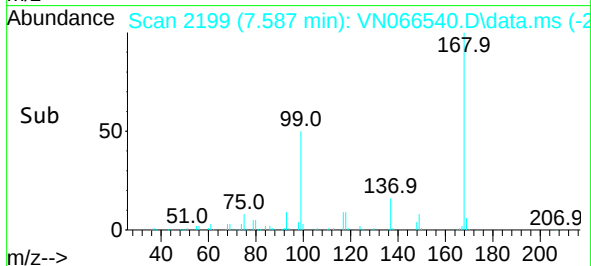


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.107 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

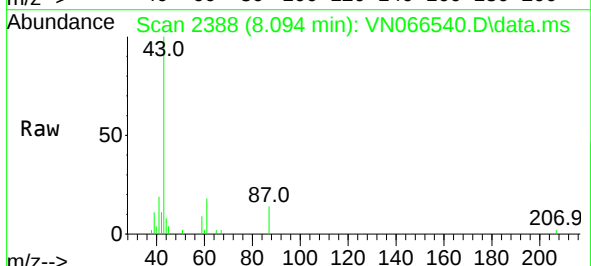
Instrument :
MSVOA_N
ClientSampled :



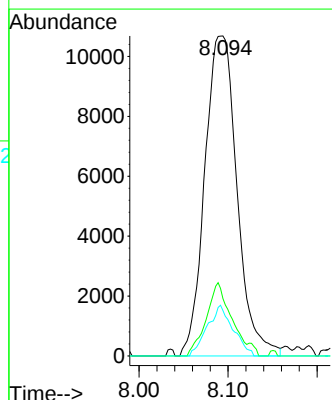
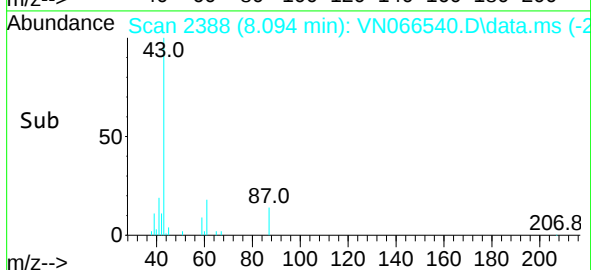
Tgt Ion: 117 Resp: 28827
Ion Ratio Lower Upper
117 100
119 7.1 77.2 115.8#
121 0.0 24.2 36.4#

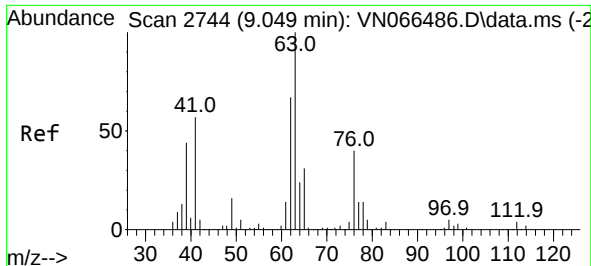


#43
Isopropyl Acetate
Concen: 3.03 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50



Tgt Ion: 43 Resp: 26943
Ion Ratio Lower Upper
43 100
61 18.3 15.5 23.3
87 12.7 10.5 15.7

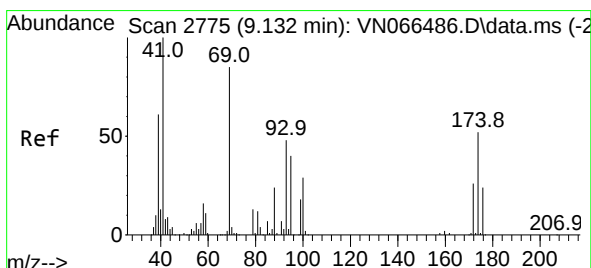
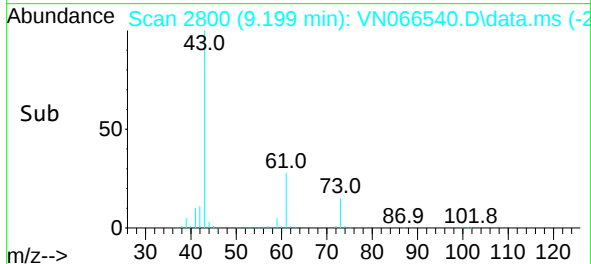
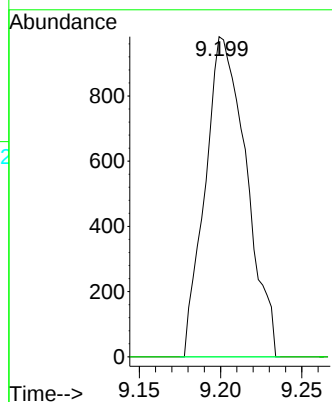
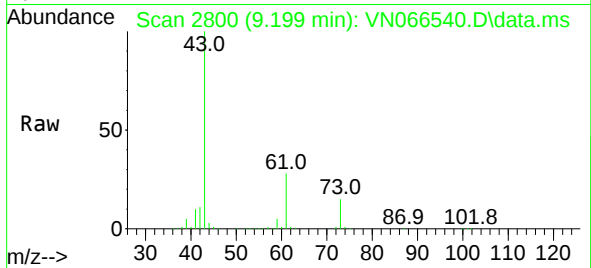




#45
1,2-Dichloropropane
Concen: 0.45 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

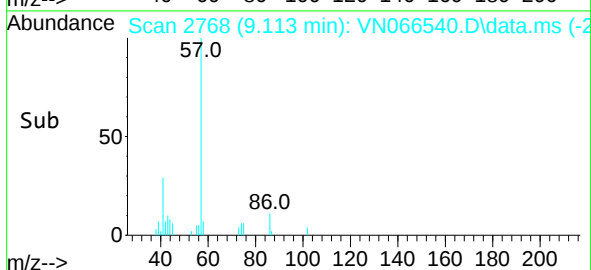
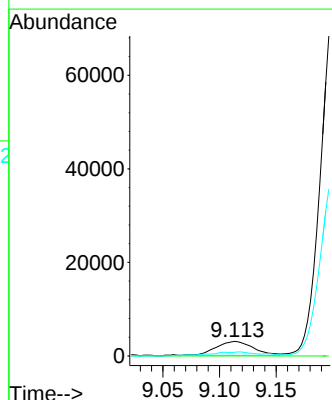
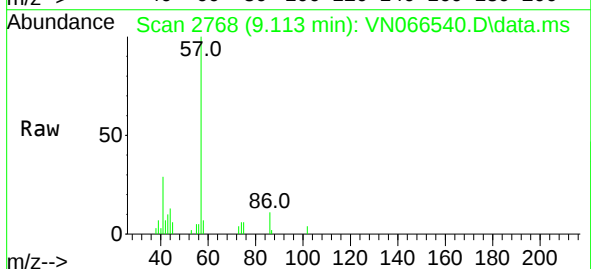
Instrument :
MSVOA_N
ClientSampled :

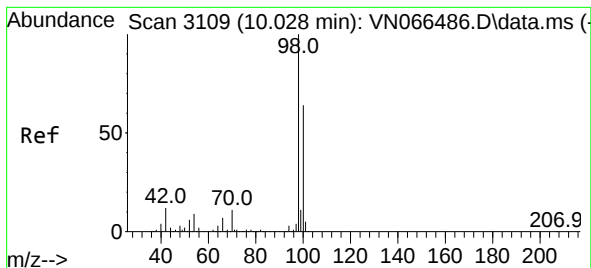
Tgt Ion: 63 Resp: 1729
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.69 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 41 Resp: 6662
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#

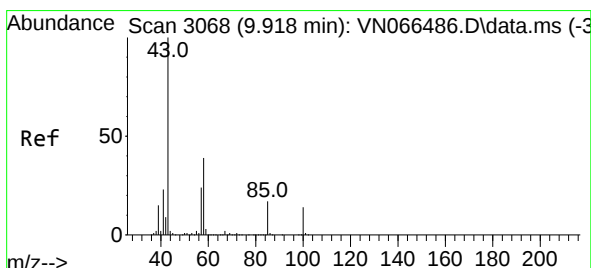
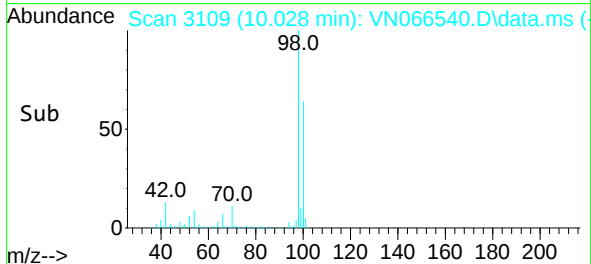
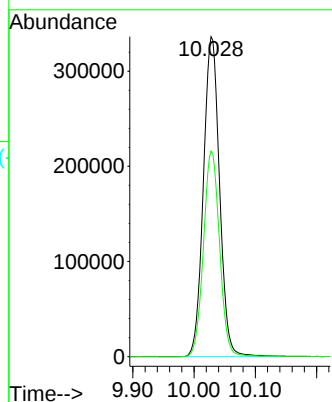
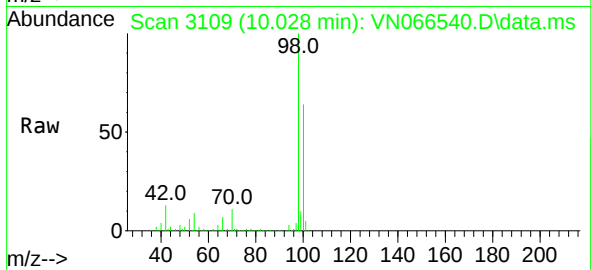




#50
Toluene-d8
Concen: 49.81 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

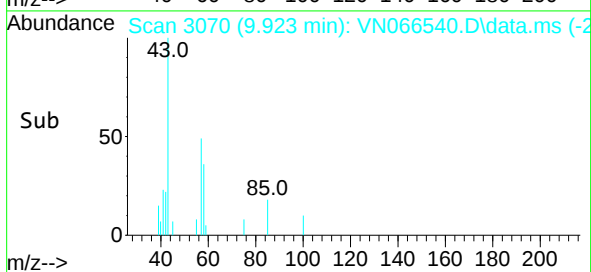
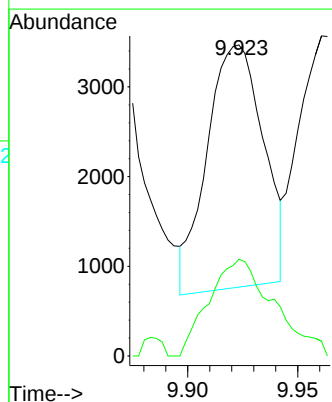
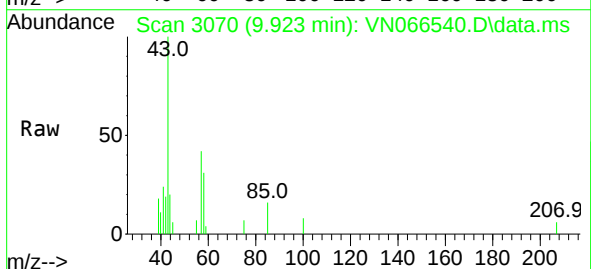
Instrument :
MSVOA_N
ClientSampled :

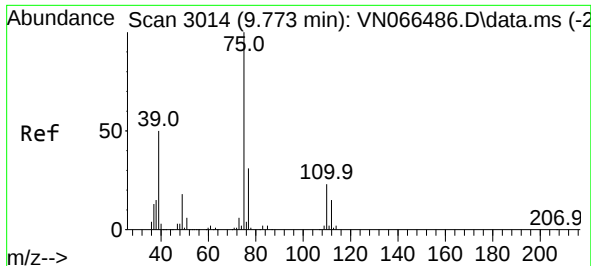
Tgt Ion: 98 Resp: 616849
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.91 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 43 Resp: 4819
Ion Ratio Lower Upper
43 100
58 45.9 30.8 46.2

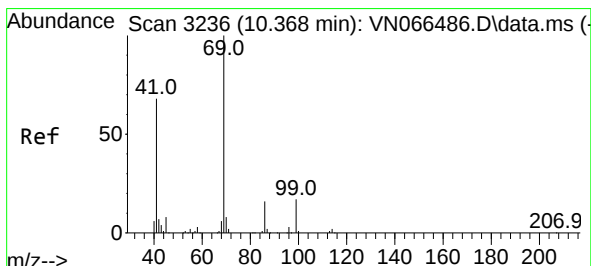
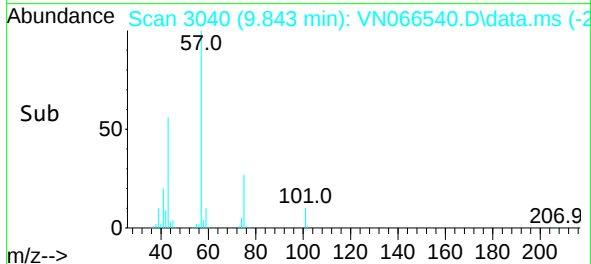
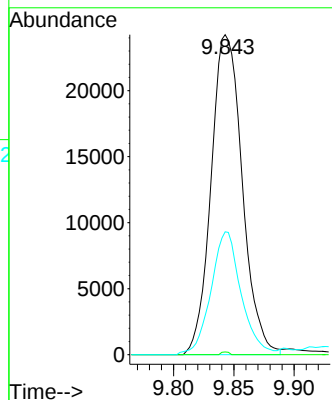
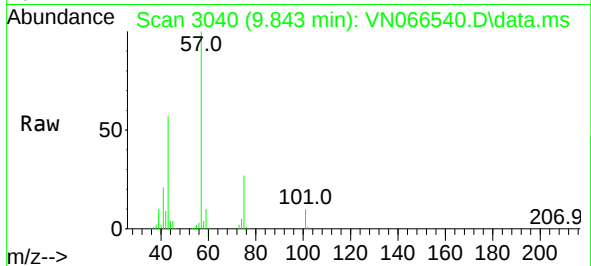




#54
cis-1,3-Dichloropropene
Concen: 7.35 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

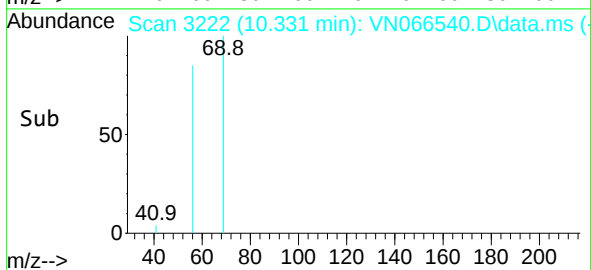
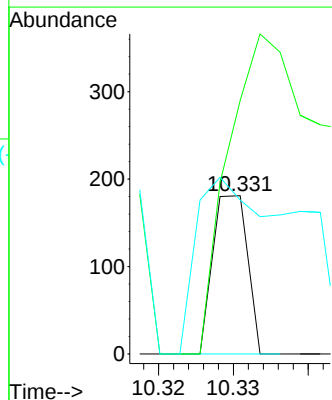
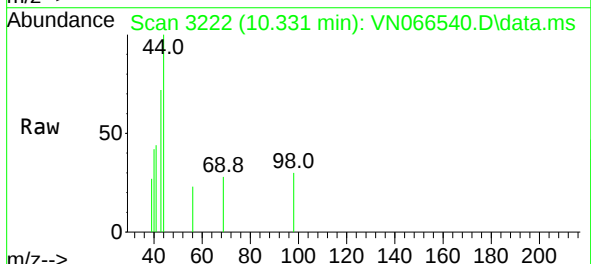
Instrument :
MSVOA_N
ClientSampled :

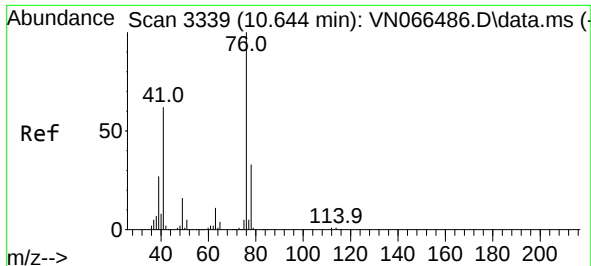
Tgt Ion: 75 Resp: 43594
Ion Ratio Lower Upper
75 100
77 0.9 25.4 38.2#
39 37.7 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.331 min Scan# 3222
Delta R.T. -0.037 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

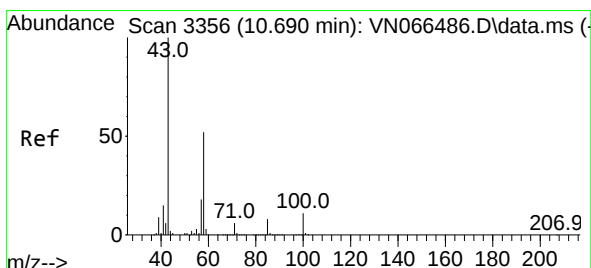
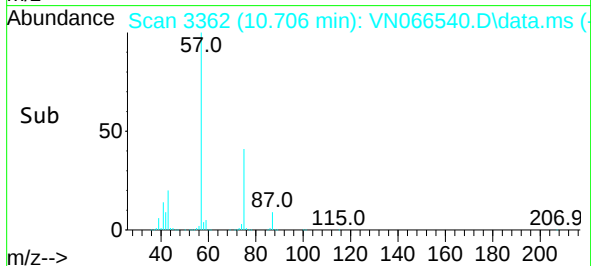
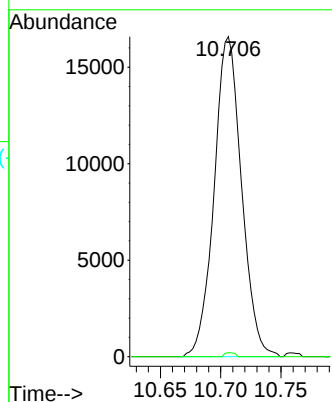
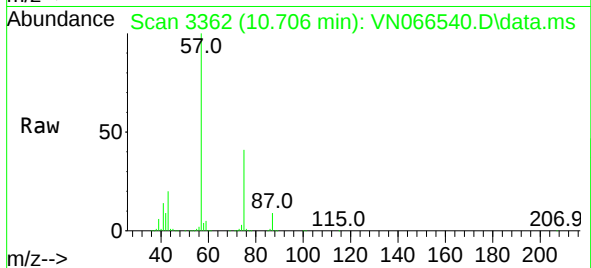




#57
1,3-Dichloropropane
Concen: 4.39 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

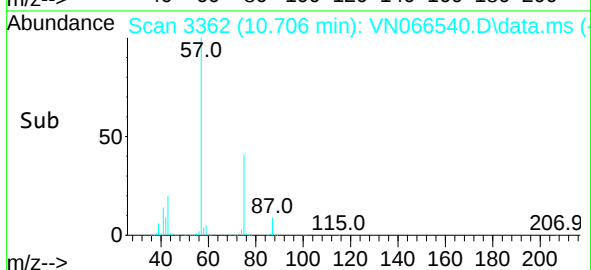
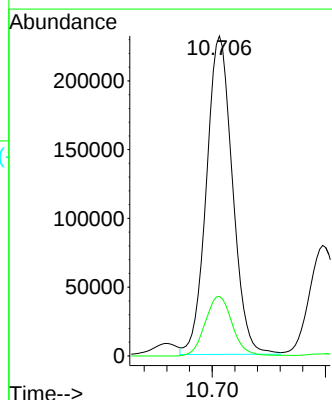
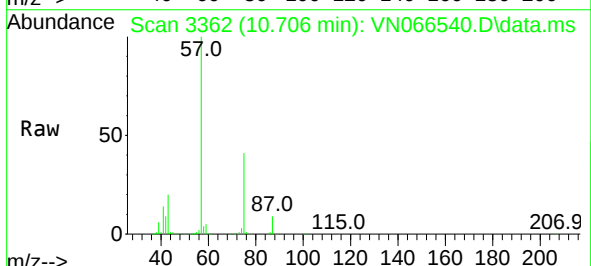
Instrument :
MSVOA_N
ClientSampled :

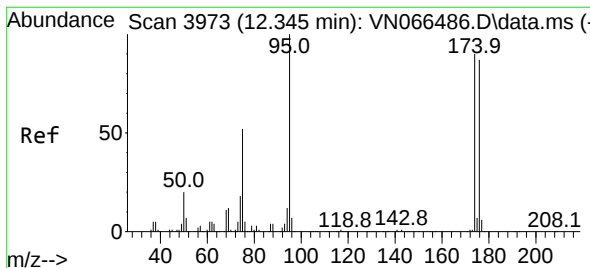
Tgt Ion: 76 Resp: 26209
Ion Ratio Lower Upper
76 100
78 0.5 25.9 38.9#



#59
2-Hexanone
Concen: 97.77 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

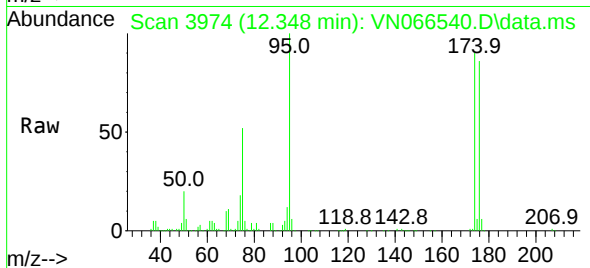
Tgt Ion: 43 Resp: 369326
Ion Ratio Lower Upper
43 100
58 19.6 26.6 79.8#



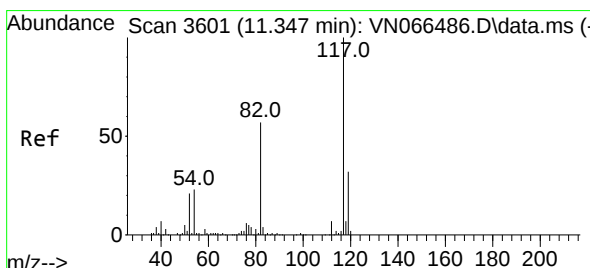
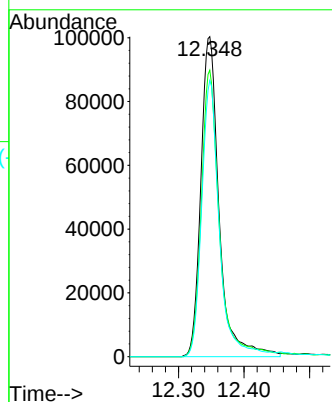
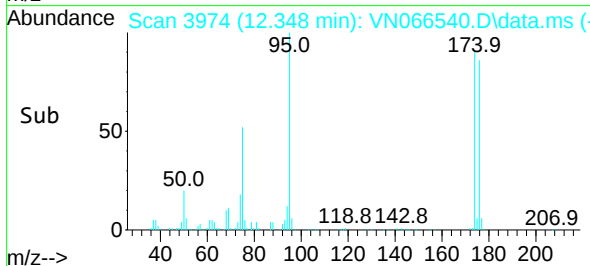


#62
4-Bromofluorobenzene
Concen: 48.29 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

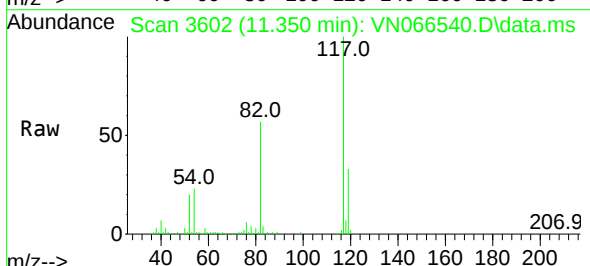
Instrument :
MSVOA_N
ClientSampleId :



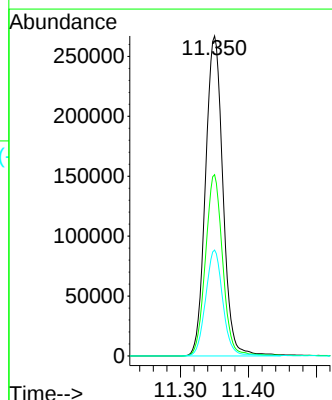
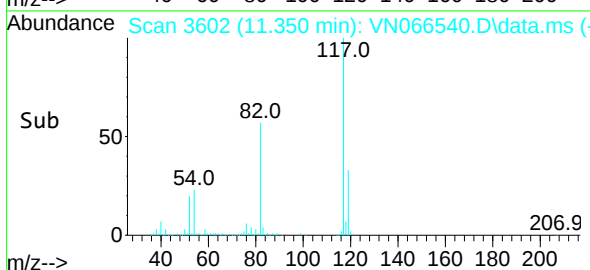
Tgt Ion: 95 Resp: 193931
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.2
176 83.1 0.0 167.8

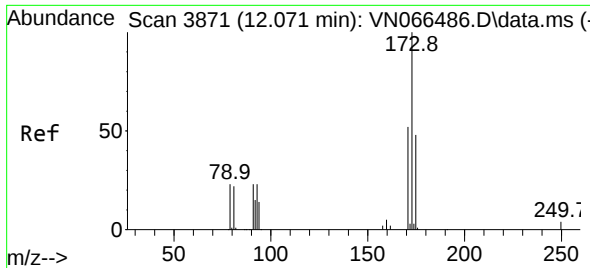


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50



Tgt Ion: 117 Resp: 476305
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.4
119 33.1 25.8 38.6

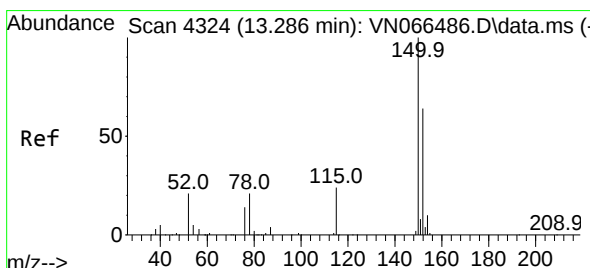
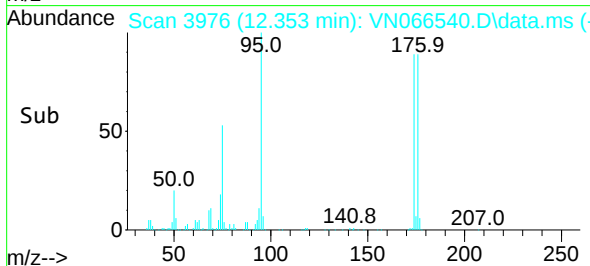
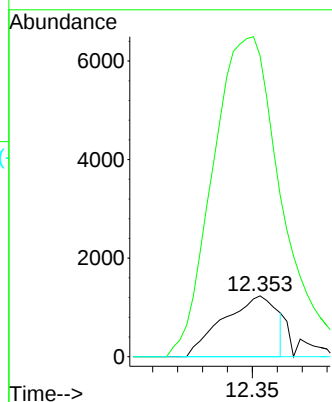
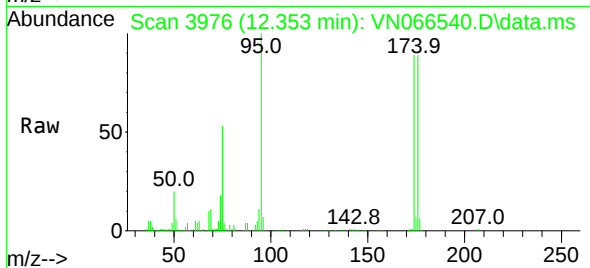




#71
Bromoform
Concen: 0.61 ug/l
RT: 12.353 min Scan# 3976
Delta R.T. 0.282 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

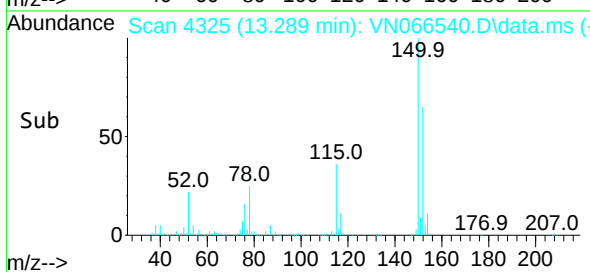
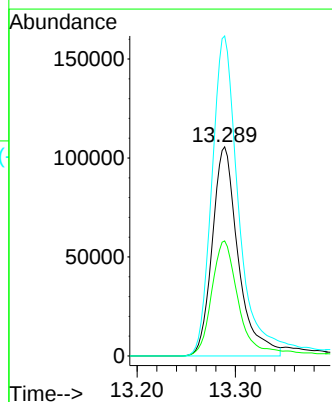
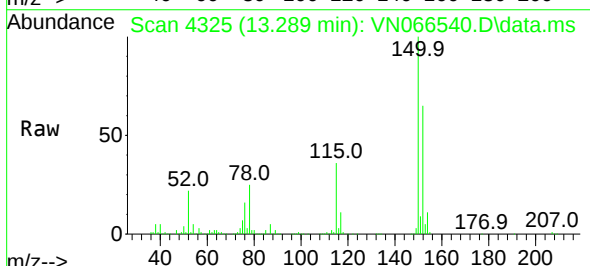
Instrument :
MSVOA_N
ClientSampleId :

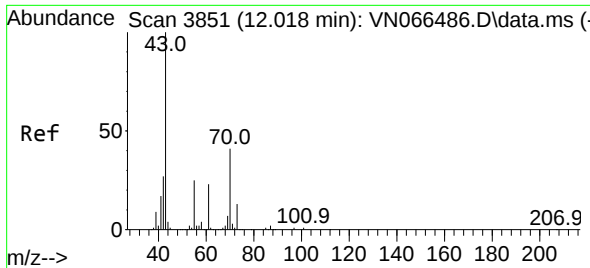
Tgt Ion:173 Resp: 1840
Ion Ratio Lower Upper
173 100
175 579.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

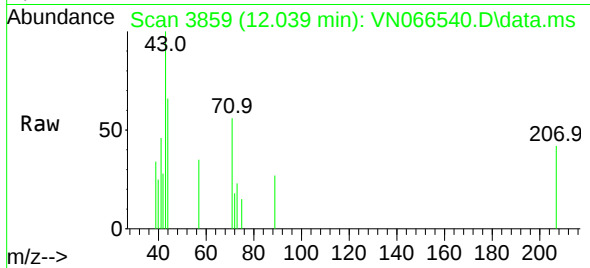
Tgt Ion:152 Resp: 194577
Ion Ratio Lower Upper
152 100
115 59.6 27.8 83.4
150 161.8 0.0 348.4



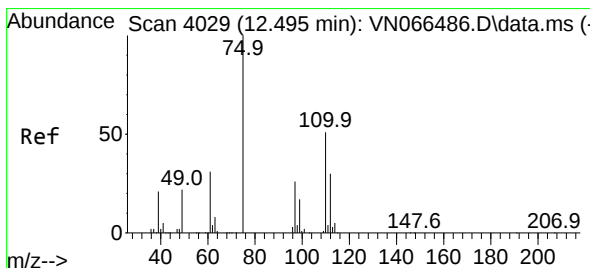
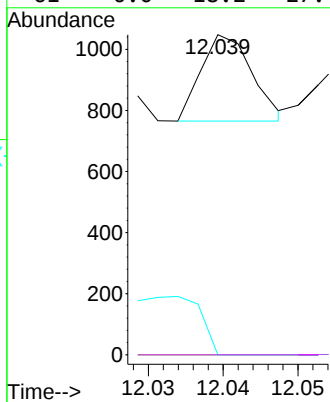
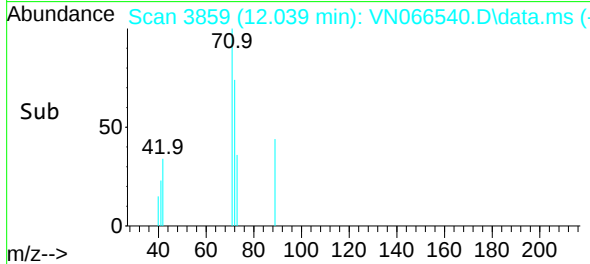


#74
N-amy1 acetate
Concen: 12.75 ug/l
RT: 12.039 min Scan# 3859
Delta R.T. 0.021 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

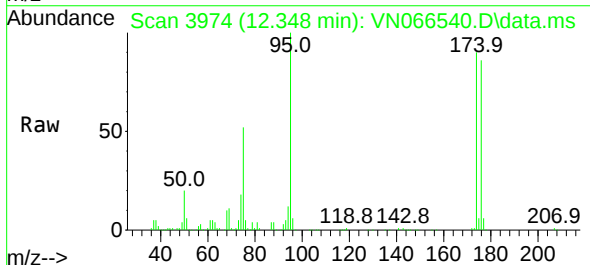
Instrument :
MSVOA_N
ClientSampled :



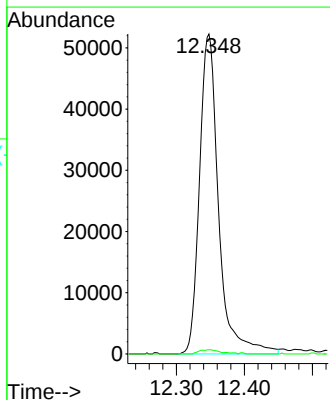
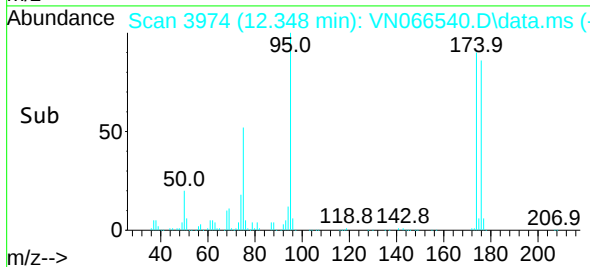
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 105.2 18.6 28.0#
61 0.0 18.2 27.4#

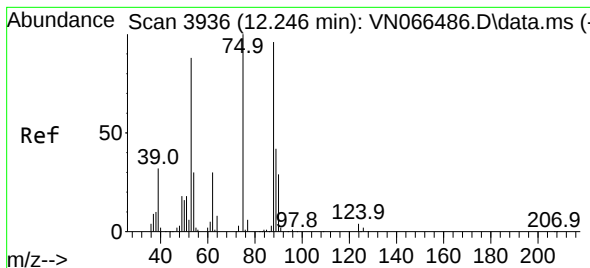


#76
1,2,3-Trichloropropane
Concen: 23.24 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.147 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50



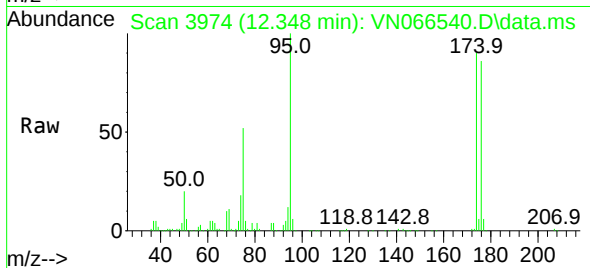
Tgt Ion: 75 Resp: 102024
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



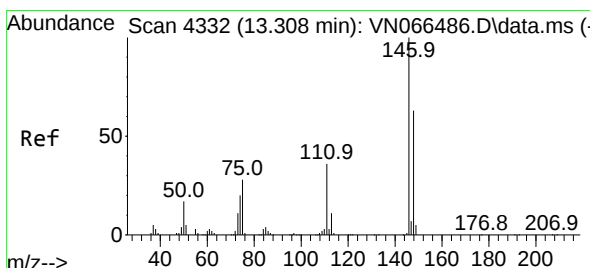
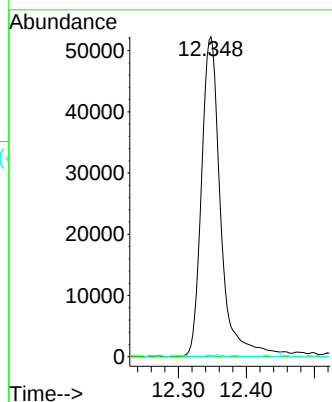
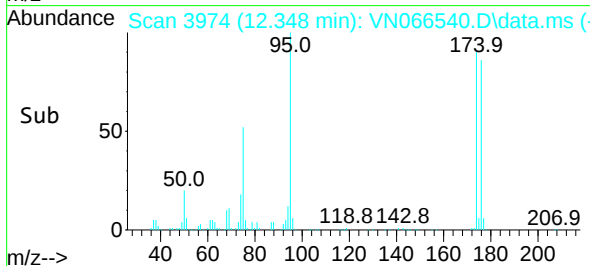


#81
trans-1,4-Dichloro-2-butene
Concen: 64.39 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

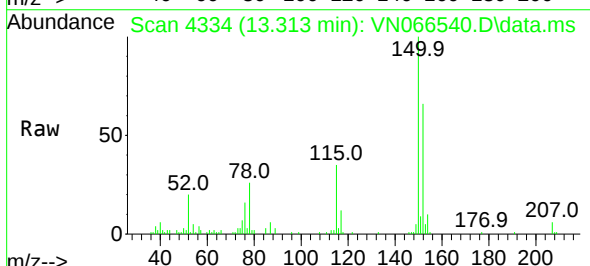
Instrument :
MSVOA_N
ClientSampled :



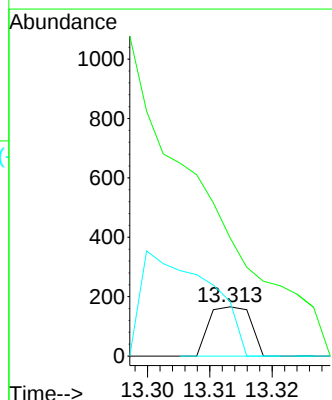
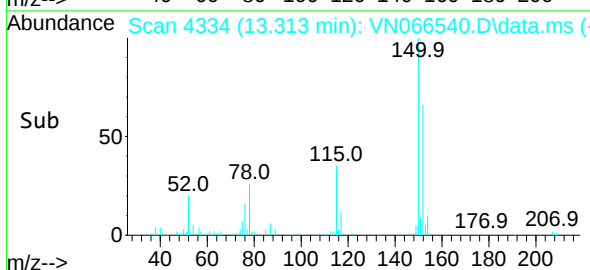
Tgt Ion: 75 Resp: 102024
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.2 35.7 53.5#

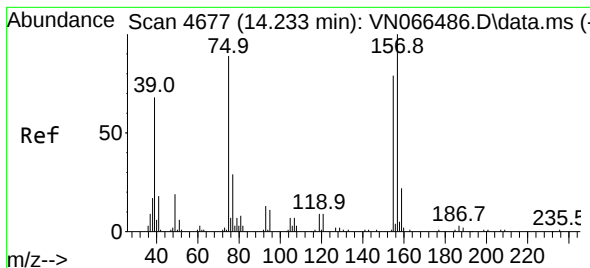


#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.313 min Scan# 4334
Delta R.T. 0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50



Tgt Ion: 146 Resp: 77
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 344.2 31.9 95.9#

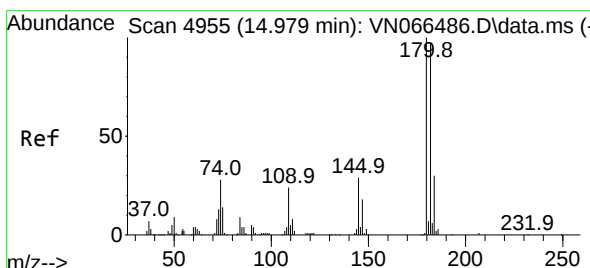
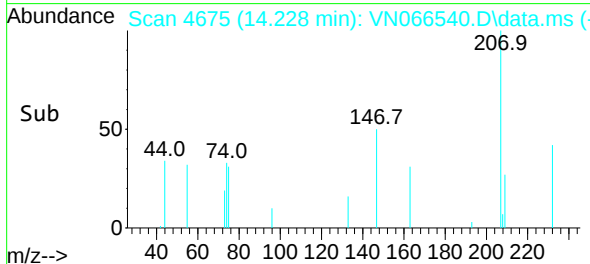
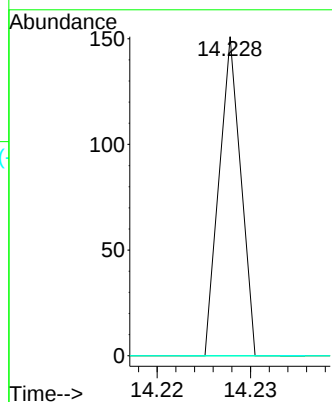
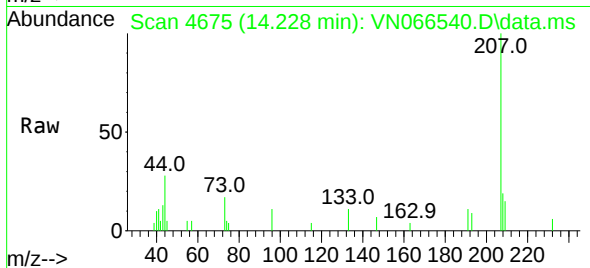




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.36 ug/l
RT: 14.228 min Scan# 4675
Delta R.T. -0.005 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

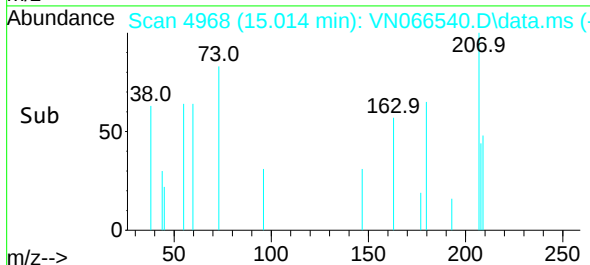
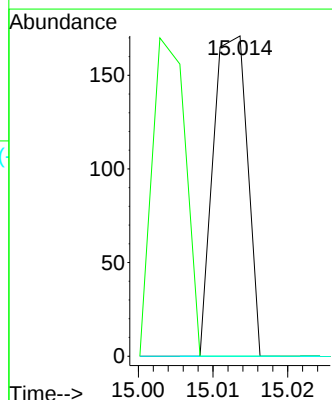
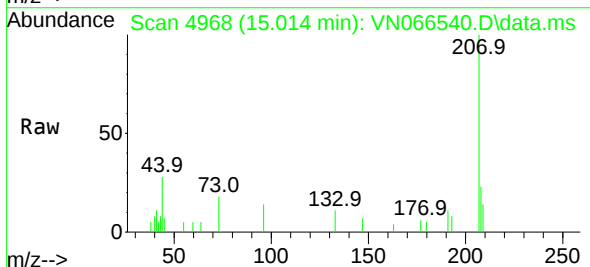
Instrument :
MSVOA_N
ClientSampleId :

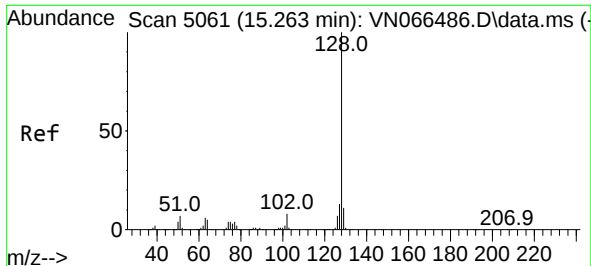
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.25 ug/l
RT: 15.014 min Scan# 4968
Delta R.T. 0.035 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 0.0 14.2 42.8#

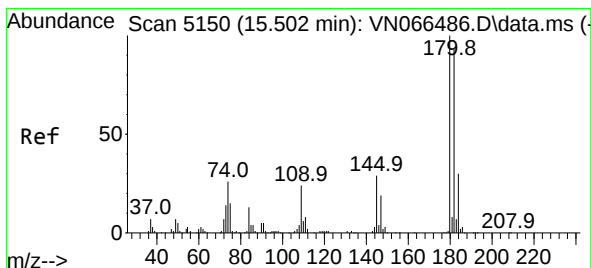
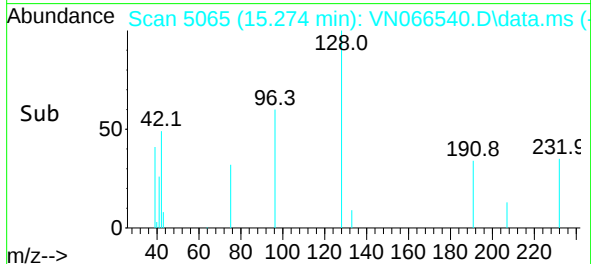
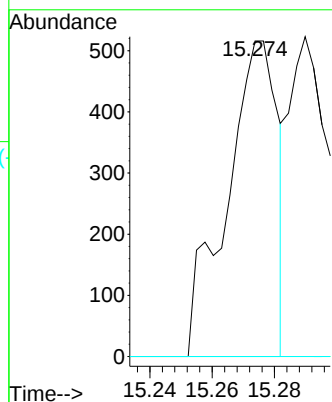
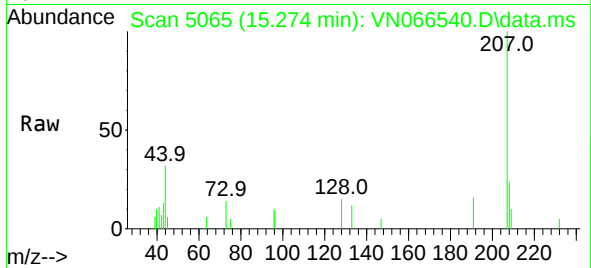




#95
Naphthalene
Concen: 2.02 ug/l
RT: 15.274 min Scan# 5065
Delta R.T. 0.011 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 587
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.63 ug/l
RT: 15.510 min Scan# 5153
Delta R.T. 0.008 min
Lab File: VN066540.D
Acq: 8 Apr 2021 14:50

Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 319.6 47.6 142.9#
145 0.0 15.4 46.1#

